PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 042637woMest	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.						
International application No.								
PCT/EP2004/053573	17/12/2004	18/12/2003						
Applicant								
EVOTEC NEUROSCIENCES GMBH								
This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.								
This International Search Report consists of a total of sheets.								
It is also accompanied by a copy of each prior art document cited in this report.								
 Basis of the report With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this term. 								
The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).								
b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.								
2. Certain claims were found unsearchable (See Box II).								
3. X Unity of invention is lacking (see Box III).								
4. With regard to the title,								
T the text is approved as submitted by the applicant.								
the text has been established by this Authority to read as follows:								
5. With regard to the abstract,								
X the text is approved as su		s Authority as it appears in Box No. IV. The applicant						
may, within one month fro	m the date of mailing of this internation	onal search report, submit comments to this Authority.						
6. With regard to the drawings,								
 a. the figure of the drawings to be p 	ublished with the abstract is Figure No	0						
as suggested by the applicant.								
as selected by this Authority, because the applicant failed to suggest a figure.								
as selected by this Authority, because this figure better characterizes the invention. h. x none of the figures is to be published with the abstract.								
b. X none of the figures is to be	e published with the abstract.							

INTERNATIONAL SEARCH REPORT

International application No. PCT/EP2004/053573

Box II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This Inte	reational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2	Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out; specifically:
з. 🗌	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Inte	ernational Searching Authority found multiple inventions in this international application, as follows:
	see additional sheet
1.	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. X	No required additional search less were timely paid by the applicant. Consequently, this International Search Report is restricted to the Invention first mentioned in the claims; it is covered by claims Nos.: 1, 2, 8, 11, 12, 14, 15, 16
Remari	k on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1,2,8,11,12,14,15,16

The underlying inventive concept of these claims is the connection between altered levels of HIF3alpha levels and neurodegenerative disorders.

2. claims: 3.10

Kits for the determination of the levels of ${\tt HIF3alpha}$ in samples.

3. claims: 4-8

Transgenic non-human animals with a non native HIF3alpha sequence.

4. claims: 9.13

 ${\tt Methods\ of\ identifying\ modulators\ of\ HIF3alpha}$

INTERNATIONAL SEARCH REPORT

International Application No PCT/FP2004/053573

			FCI/LF2	1047 033373			
A. CLASSIF IPC 7	FICATION OF SUBJECT MATTER G01N33/68						
According to International Patent Classification (IPC) or to both national classification and tPC							
B. FIELDS	SEARCHED						
Minimum do	cumentation searched (classification system followed by classification	n symbols)					
IPC 7 G01N							
Documentati	ion searched other than minimum documentation to the extent that su	uch documents are inclu	ded in the fields	searched			
Electronic da	ata base consulted during the International search (name of data bas	e and, where practical,	search terms us	ed)			
FPO-In	ternal, BIOSIS, EMBASE, FSTA, WPI Da	ata. PAJ					
are medium, passed, plante, rem, me appear							
C. DOCUME	INTS CONSIDERED TO BE RELEVANT						
Category *	Citation of document, with indication, where appropriate, of the rele	evant passages		Relevant to claim No.			
γ	YUICHI MAKINO ET AL: "Inhibitory	v PAS		1,2,8,			
1	domain protein (IPAS) is a	, ,		11,12,			
	hynoxia-inducible splicing variar	nt of the		14-16			
	hypoxia-inducible factor-3 alpha	locus"					
	JOURNAL OF BIOLOGICAL CHEMISTRY,	AMERICAN		i			
	SOCIETY OF BIOLOGICAL CHEMISTS, E	BALTIMORE,		Į.			
	MD, US,						
	vol. 277, no. 36, September 2002 (2002-09), pages			[
	32405-32408, XP002960907			1			
	ISSN: 0021-9258						
x	figure 2			3,10			
		-/					
ì							
				1			
X Furt	her documents are listed in the continuation of box C.	Patent family	members are fiste	d in annex.			
* Special ca	stegories of cited documents :	"T" later document pub	lished after the	nternational filing date Ith the application but			
"A" docume	ent defining the general state of the art which is not	cited to understan	d the principle or	theory underlying the			
considered to be of particular relevance invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention							
filing o	tate ant which may throw doubts on priority claim(s) or is cited to establish the publication date of another	cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone					
which	is cited to establish the publication date of another in or other special reason (as specified)	Y" document of particular relevance; the claimed invention					
"O" document referring to an oral disclosure, use, exhibition or document is combined with one or more other such document is combined with one or more other such disclosure, use, exhibition or				more other such docu-			
	means ent published prior to the International filling date but						
later t	han the priority date claimed		8* document member of the same patent family Date of mailing of the international search report				
Date of the	actual completion of the international search	Date of maning or t	0 9. 06				
13 April 2005			U 9. U	. 2003			
Name and mailing address of the ISA Authorized officer							
1	European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,						
1	Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Hinchl:	iffe, P				

INTERNATIONAL SEARCH REPORT

International Application No PCT/EP2004/053573

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT Category Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. HARA S ET AL: "Expression and 1,2,8, γ characterization of hypoxia-inducible 11,12, factor (HIF)-3 alpha in human kidney: suppression of HIF-mediated gene 14-16 expression by HIF-3alpha"
BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, ACADEMIC PRESS, SAN DIEGO, CA, US, vol. 287, 5 October 2001 (2001-10-05), pages 808-813, XP002221230 TSSN: 0006-291X 3,10 Х the whole document BAZAN N G ET AL: "HYPOXIA SIGNALING TO 1.2.8. γ GENES SIGNIFICANCE IN ALZHEIMER'S DISEASE" 11,12, 14-16 MOLECULAR NEUROBIOLOGY, HUMANA PRESS, US, vol. 26, no. 2/3, October 2002 (2002-10), pages 283-298, XP009029127 ISSN: 0893-7648 the whole document GU Y-Z ET AL: "MOLECULAR CHARACTERIZATION AND CHROMOSOMAL LOCALIZATION OF A THIRD 1-16 Α ALPHA-CLASS HYPOXIA INDUCIBLE FACTOR SUBUNIT, HIF3ALPHA" GENE EXPRESSION, CHICAGO MEDICAL SCHOOL PRESS, NORTH CHICAGO, IL, US, vol. 7, 1998, pages 205-213, XP009000521 ISSN: 1052-2166